

## NuFlo™ 17

*Paraffin & Asphaltene Treatment and Viscosity Reducer*

### Background

NuFlo™ 17 is a proprietary formulated, rapid acting composition designed for the removal of paraffin and asphaltene build-up and blockages specifically for *pipeline application*. This product is non-corrosive and non-hazardous. NuFlo™ 17 cleans out build up and blockages on a maintenance basis and prevents reoccurrence of buildup on a preventative basis.

### Characteristics

NuFlo™ 17 is a blend of specialty aromatic hydrocarbons designed to dissolve and disperse asphaltenes, neutral resins and paraffins in the C8-C55 range at ambient temperatures. This product has a high flash point and is environmentally friendly.

### Benefits

- Paraffin and asphaltene clean-up for down hole, flow lines, and storage tanks
- Heavy oil flow enhancement
- Increase production for wells and pipelines
- Recover sludge deposits from tanks
- Increases equipment life and lower operating costs with a high return on investment

NuFlo™ 17 eliminates production-inhibiting deposits in pipelines. The product decreases drag created by the high viscosity of crude oil increasing the overall production. NuFlo™ 17 works in a wide range of temperatures and pressures allowing it to be an appropriate treatment method for almost any condition. NuFlo™ 17 is non-flammable, non-corrosive, and environmentally friendly.

### Properties

Appearance	Colorless
Odor	Product Specific
pH	7
Density	.851 g/cm <sup>3</sup>
Vapor pressure	6.6 hPa
Flash Point	151°F (66°C)
Freeze Point	76°C (509°F)
Corrosive	No
Solubility in Oil	Yes
Solubility in Water	Emulsifiable
Ignition Temperature	265°C

### Storing & Handling

NuFlo™ 17 should be stored between 15° F and 120° F (-10° C and 50° C). Keep from freezing. Refer to MSDS (Material Safety Data Sheet) for further safety and disposal information. NuFlo™ 17 is available in 55 gallon drums and 275 gallon totes. Freight classification is “non-regulated material.” Per DOT, IATA, IMDG.

*See MSDS for additional information*